LISTING OF CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A computerized method for indicating potential misclassification, consequent to the application of at least one first rule, of ~~recognizing and flagging~~ a data item used by one or more application programs ~~as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule~~, the method comprising:

applying the at least one first rule to add the data item to a collection of one or more data items; ~~determining a collection to which the data item belongs as defined by the rule;~~

calculating statistics regarding the ~~for the other~~ data items in the collection;

applying one or more second rules to the calculated statistics to identify ~~identifying~~ whether the data item is an anomalous data item that has not properly been added to the collection despite satisfying the at least one first rule; ~~based on the statistical calculations; and~~

flagging the data item as an anomalous data item if the data item is identified as an anomalous data item; and

indicating to at least one user that the collection contains at least one data item that has been identified as anomalous with regard to other data items in the collection.

2. (Original) The method of claim 1 wherein calculating comprises calculating a mean data item size and standard deviation for the other data items in the collection.

3. (Original) The method of claim 1 wherein calculating comprises calculating a mean interval between data items and standard deviation for the other data items in the collection.

4. (Original) The method of claim 1 wherein calculating comprises calculating a mean data item arrival time and standard deviation for the other data items in the collection.

5. (Original) The method of claim 1 wherein calculating comprises:

calculating a presence or absence of keywords for the other data items in the collection; and

identifying whether the data item is an anomalous data item based on the presence or absence of keywords.

6. (Original) The method of claim 1 wherein calculating statistics for the other data items in the collection is performed in real time.

7. (Original) The method of claim 1 wherein the step of calculating statistics for the other data items in the collection is performed periodically.

8. (Original) The method of claim 1 wherein identifying comprises determining whether the data items falls outside a number of standard deviations from the statistical calculations.

9. (Original) The method of claim 8 comprising setting the number of standard deviations to a value set by a user.

10. (Currently Amended) Computer readable media comprising program code, the program code instructing a programmable computer to execute a method for indicating potential misclassification, consequent to the application of at least one rule, of ~~recognizing and flagging~~ a data item used by one or more application programs ~~as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule~~, the method comprising:

applying the at least one first rule to add the data item to a collection of one or more data items; ~~determining a collection to which the data item belongs as defined the rule;~~

calculating statistics regarding the ~~for the other~~ data items in the collection;

applying one or more second rules to the calculated statistics to identify ~~identifying~~ whether the data item is an anomalous data item that has not properly been added to the collection despite satisfying the at least one first rule; ~~based on the statistical calculations; and~~

flagging the data item as an anomalous data item if the data item is identified as an anomalous data item; and

indicating to at least one user that the collection contains at least one data item that has been identified as anomalous with regard to other data items in the collection.

11. (Previously amended) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared

with other data items falling within the scope of the rule wherein calculating comprises calculating a mean data item size and standard deviation for the other data items in the collection.

12. (Original) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule wherein calculating comprises calculating a mean interval between data items and standard deviation for the other data items in the collection.

13. (Original) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule wherein calculating comprises calculating a mean data item arrival time and standard deviation for the other data items in the collection .

14. (Original) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule wherein calculating comprises:

calculating a presence or absence of keywords for other data items in the collection; and

identifying whether the data item is an anomalous data item based on the presence or absence of keywords.

15. (Original) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule wherein calculating statistics for other data items in the collection is performed in real time.

16. (Original) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule wherein calculating statistics for other data items in the collection is performed periodically.

17. (Original) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule wherein identifying comprises determining whether the data item falls outside a number of standard deviations from the statistical calculations.

18. (Original) The computer readable media of claim 17 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule comprising setting the number of standard deviations to a value set by a user.

19. (Currently Amended) A computerized method for recognizing and flagging a data item used by one or more application programs as falling within the scope

of a rule but anomalous when compared with other data items falling within the scope of the rule, them method comprising:

retrieving a user preference profile;

applying the at least one first rule to add the data item to a collection of one or more data items; ~~determining a collection to which the data item belongs as defined by the rule;~~

calculating statistics regarding the ~~for the other~~ data items in the collection;

applying one or more second rules to the calculated statistics to identify ~~identifying~~ whether the data item is an anomalous data item that has not properly been added to the collection despite satisfying the at least one first rule; ~~based on the statistical calculations;~~

flagging the data item as an anomalous data item if the data item is identified as an anomalous data item; and

taking an action ~~determining an action to take~~ for the flagged data item based upon the user preference profile retrieved.